



## SEQUENCE LISTING

<110> SCHMIDT, Harald  
ZABEL, Ulrike  
POLLER, Wolfgang

<120> Isolated and Purified Human Soluble  
Guanylylcyclase alphal/betal (hsGC alphal/betal)

<130> VOS-101

<140> US 09/762,767  
<141> 2001-06-01

<150> PCT/DE99/02601  
<151> 1999-08-16

<150> DE 198 37 015.6  
<151> 1998-08-14

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50 55 60  
Ser Arg Ser Arg Val Tyr Leu His Thr Leu Ala Glu Ser Ile Cys Lys  
65 70 75 80  
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85 90 95  
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100 105 110  
Asp Phe Glu Lys Thr Ile Ala Glu Gln Ala Val Ala Gly Val Pro  
115 120 125

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130 135 140  
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165 170 175  
Gln Glu Ala Gly Lys Arg Gly Arg Leu Glu Asp Ala Ser Ile Leu Cys  
180 185 190  
Leu Asp Lys Glu Asp Asp Phe Leu His Val Tyr Tyr Phe Phe Pro Lys  
195 200 205  
Arg Thr Thr Ser Leu Ile Leu Pro Gly Ile Ile Lys Ala Ala Ala His  
210 215 220  
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225 230 235 240  
His Asn Asp Cys Ser Glu Phe Val Asn Gln Pro Tyr Leu Leu Tyr Ser  
245 250 255  
Val His Met Lys Ser Thr Lys Pro Ser Leu Ser Pro Ser Lys Pro Gln  
260 265 270  
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275 280 285  
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305 310 315 320  
Glu Glu Tyr Phe Glu Ile Leu Thr Pro Lys Ile Asn Gln Thr Phe Ser  
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340 345 350  
Trp Asp Asn Ser Val Lys Lys Ser Ser Arg Val Met Asp Leu Lys Gly  
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Glu Gln Ala Arg Ala Gln Asp Gly Leu Lys Lys Arg Leu Gly Lys Leu  
420 425 430  
Lys Ala Thr Leu Glu Gln Ala His Gln Ala Leu Glu Glu Lys Lys  
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Lys Thr Val Asp Leu Leu Cys Ser Ile Phe Pro Cys Glu Val Ala Gln  
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Gln Leu Trp Gln Gly Gln Val Val Gln Ala Lys Lys Phe Ser Asn Val  
465 470 475 480  
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485 490 495  
Cys Ser Pro Leu Gln Val Ile Thr Met Leu Asn Ala Leu Tyr Thr Arg  
500 505 510  
Phe Asp Gln Gln Cys Gly Glu Leu Asp Val Tyr Lys Val Glu Thr Ile  
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Gly Asp Ala Tyr Cys Val Ala Gly Gly Leu His Lys Glu Ser Asp Thr  
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595	600	605													
Ser	Cys	Ser	Val	Pro	Arg	Lys	Ile	Asn	Val	Ser	Pro	Thr	Thr	Tyr	Arg
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<212> DNA

<213> homo sapiens

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35 40 45  
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Glu Ile Leu Gln Met Phe Gly Lys Met Phe Phe Val Phe Cys Gln Glu  
65 70 75 80  
Ser Gly Tyr Asp Thr Ile Leu Arg Val Leu Gly Ser Asn Val Arg Glu  
85 90 95  
Phe Leu Gln Asn Leu Asp Ala Leu His Asp His Leu Ala Thr Ile Tyr  
100 105 110  
Pro Gly Met Arg Ala Pro Ser Phe Arg Cys Thr Asp Ala Glu Lys Gly  
115 120 125  
Lys Gly Leu Ile Leu His Tyr Tyr Ser Glu Arg Glu Gly Leu Gln Asp  
130 135 140  
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165 170 175  
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Ser Pro Tyr Thr Phe Cys Lys Ala Phe Pro Phe His Ile Ile Phe Asp  
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Gly Leu Tyr Leu Ser Asp Ile Pro Leu His Asp Ala Thr Arg Asp Leu		
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Lys Asn Pro Phe Val Tyr Lys Val Glu Thr Val Gly Asp Lys Tyr Met		
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Thr Val Ser Gly Leu Pro Glu Pro Cys Ile His His Ala Arg Ser Ile		
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Cys His Leu Ala Leu Asp Met Met Glu Ile Ala Gly Gln Val Gln Val		
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<400> 12  
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<220>  
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Gly Ile Asp

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<213> Bos taurus

<400> 14

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